UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE PATENT:

Column 1, Line 31:   Delete "A" after "during"

Column 1, Line 66:   Delete "at" after "literature"

Column 2, Line 6:   Delete "IDPC" and insert -- LDPC--

Column 2, Line 19:   Delete "IDPC" and insert -- LDPC --

Column 2, Line 21;   Delete "maybe" and insert -- may be --

Column 2, Line 54:   Insert -- of -- after "pair"

Column 4, Line 25:   Delete "a" after "drive"

Column 4, Line 63:   Delete "fit" before "communication"

Column 7, Line 15:   Delete "(ILR) and insert -- (LLR) --

Column 6, Line 13:   Equation 5:   Delete "$|y$" and insert -- $\|y$ --

Column 6, Line 13:   Equation 5:   Delete "$|2$" and insert -- $\|2$ --

Column 8, Line 30:
Equation 6:
Delete "$|y - H \otimes (x_s + x_e)|2$" and insert -- $\|y - H \otimes (x_s + x_e)\|2$ --

Column 8, Line 30:
Equation 6:   Delete "$|y - H \otimes (x_s + x_e)|2$" and insert -- $\|y - H \otimes (x_v + x_e)\|y$ --

Column 8, Line 37:
Equation 7:   Delete "$|y - H| \otimes x_k |2$" and insert -- " $\|y - H \otimes x_k \|2$ " --

Delete "$|y - H \otimes (x_v + x_{e,min})|2$" and insert -- $\|y| - H \otimes (x_v + x_{e,min})\|2$ --

Delete each occurrence of "t" and insert -- i --

Column 8, Line 57:   Equation 8:   Delete each occurrence of "t" and insert -- i --

Column 9 Line 29:   Delete "X_k" and insert -- x_k --

CERTIFICATE OF CORRECTION

PATENT NO. : 7,099,411 B1
APPLICATION NO. : 09/901507
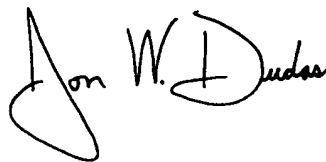DATED : August 29, 2006
INVENTOR(S) : Wu et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE PATENT:

Column 9, Line 58: Delete "Ed" after "soft"
Column 11, Line 9: Delete "(HR)" and insert -- (FIR) --
Claim 13, Line 25; Insert -- storage -- before "medium"
Claim 72, Line 28: Insert -- includes--after "software"

Signed and Sealed this

Twenty-sixth Day of December, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office